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PATENT AND TRADEMARK OFFICE

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<u>Title: METHOD OF PRINTING</u>, ACTIVATING AND ISSUING AN ACTIVATED TIME

DEPENDENT LABEL

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ABSTRACT

A method for conflavously producing a plurality of printed and activated time dependent labels. In one embodiment, the method comprises providing a web having a plurality of inked substrates thereon. Each substrate has a migrating ink pattern printed on a surface of the substrate. A transfer printer is provided that has a first ribbon means for applying a timing layer through which the migrating ink bleeds after a predetermined period of time. A second ribbon means is provided for printing variable data. The web of inked substrates is continuously fed through the printer, each inked substrate passion sequentially under the first ribbon means and then the second ribbon means. The first ribbon means is activated to apply the timing layer to a portion of the printed surface of each inked substrate thereunder to produce a coated substrate. The second ribbon means is activated to print the variable data information a each coated substrate thereunder, thus continuously producing a plurality of activated to have a labels having variable data information printed thereon.

In another experiment for producing a plurality of printed and activated time dependent labels, the web having the plur day of inked substrates thereon is continuously fed through a transfer printer having a single ribbon to the single ribbon means includes a first ribbon portion for applying a timing layer the right while the migrating ink bleeds after a predetermined period of time, and a second ribbon portion of a printing variable data. The web is continuously fed through the printer, wherein the first and second ribbon portions pass sequentially over each inked substrate. The first ribbon portion is activated to apply the tire of a portion of the printed surface of the inked substrate thereunder, to produce a control of the printed surface of the inked substrate thereunder, to produce a control of the printed surface of the inked substrate thereunder, to produce a control of the printed surface of the inked substrate thereunder, to produce a control of the printed surface of the inked substrate thereunder, and then the second ribbon portion is activated to print the coated substrate with the printed surface of the inked substrate thereunder, and then the second ribbon portion is activated to print the coated substrate with the printed surface of the inked substrate thereunder, and then the second ribbon portion is activated to print the coated substrate with the printed surface of the inked substrate thereunder, to produce a control of the printed surface of the inked substrate thereunder.